DATE:	
AIRCRAFT N	
MAKE/MODEL	
SERIAL NO.	
ENGINE MAKE/MODEL	
ENGINE SERIAL NO.	
AIRCRAFT TACH/HOBBS	1
DATE COMPLETED	
AGENCY PERFORMING INSPECTION	1
AUTHORIZED TECHNICIAN LICENSE NUMBER	
LICENSE NUMBEK	

FUSI	ELAGE
1.	Fuselage Surface - Inspect for skin damage, loose rivets,
	condition of paint, and check pitot-static ports and drain holes
	for obstruction.
	Inspect covers and fairings for security.
2.	Fuselage-Mounted Equipment - Check for general condition
	and security of attachment.
3.	Antennas and Cables - Inspect for security of attachment,
	connection, and condition.
4.	Remote Mounted Avionics - Inspect for security of units and
	electrical connectors, condition and security of wire routing.
	Also check for evidence of damage and cleanliness.
5.	Fuel System - Inspect plumbing and components for
	mounting and security.
6.	Fuel Line and Selector Valve Drains - Remove plug & drain.
7.	External Power Receptacle and Power Cables - Inspect
	for condition and security.
8.	Wheel Fairings, Strut Fairings and Cuffs - Inspect for
	cracks, dents and condition of paint.
9.	Main Landing Gear Structure - Check for security of attachment
	and structure for cracks, loose rivets, bolts, and nuts, or damage.
10.	Main Gear Tube - Inspect cracks, dents, corrosion, or other
	damage. Check condition of paint and axles for damage and
	security.
11.	Static System - Inspect for security of installation, cleanliness,
	and evidence of damage.
12.	Emergency Locator Transmitter - Inspect for security of
	attachment and check operation by verifying transmitter output.
	Check cumulative time and useful life of batteries in accordance
	with FAR.
13.	Battery - Check general condition and security. Check
	level of electrolyte.
14.	Battery Box and Cables - Clean and remove any corrosion.
	Check cables for routing, support, and security of connections.
15.	Elevator Trim Tab Stop Blocks - Inspect for damage and
	security.
16.	Metal Lines, Hoses, Clamps, and Fittings - Check for leaks,
	condition & security Check for proper routing & support

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17.	Internal Fuselage Structure - Inspect bulkheads, doorposts,
	stringers, doublers, and skins for corrosion, cracks, buckles,
	and loose rivets, bolts and nuts.
18.	Oxygen System - Inspect masks, hoses, lines, and fittings
	for condition, routing and support.
	Test operation and check for leaks.
19.	General Airplane and System Wiring - Inspect for proper
	routing, chafing, broken or loose terminals, general condition,
	broken or inadequate clamps and sharp bends in wiring.
CAB	IN
1.	Control Wheel Lock - Check security and operation.
2.	Flight Controls - Check freedom of movement and proper
	operation through full travel with and without flaps extended.
	Check electric trim controls for operation.
3.	Control Column - Inspect pulleys, cables, sprockets, bearings,
	chains, bungees, & turn buckles for condition & security.
4.	Elevator Control - Check freedom of movement and proper
	operation through full travel with & without flaps extended.
5.	Trim Control and Indicator - Check freedom of movement and
	proper operation through full travel.
6.	Seats, Seat Belts, and Shoulder Harnesses - Check general
	condition and security. Check operation of seat stops and
	adjustment mechanism. Inspect belts for condition and
	security of fasteners.
7.	Pilots and Copilots Inertia Reels - Inspect for security of
	installation, proper operation, & evidence of damage.
8.	Seat Tracks and Seat Stops - Inspect seat tracks for condition
	and security of installation. Check seat track stops for
	damage and correct location.
9.	Rudder Pedals and Linkage - Check for general condition,
	proper rigging & operation. Check for security of attachment.
10.	Portable Hand Fire Extinguisher - Inspect for proper operating
	pressure, condition, security of installation, servicing date.
11.	Fuel Selector Valve - Check controls for detente in each
	position, security of attachment, & proper placing.

Windows, Windshield, Doors, and Seals - Inspect general

MECHANIC/INSPECTOR

	condition. Check latches, hinges, and seals for condition.
13.	Placards and Decals - Inspect presence, legibility and security.
	Consult Pilot's Operating Handbook and FAA-approved
	Airplane Flight Manual for required placards.
14.	Magnetic Compass - Inspect for security of installation,
	cleanliness, and evidence of damage.
15.	Cabin Heat and Ventilation Controls - Check freedom of
	movement through full travel. Check friction locks for
	proper operation.
16.	Heater Components, Inlets, and Outlets - Inspect all lines,
	connections, ducts, clamps, seals and gaskets for condition,
	restriction and security.
17.	Wing Flap Control - Check operation through full travel and
	observe Flap Position Indicator for proper indication.
18.	Engine, Propeller Control, and Linkage - Check general
	condition, freedom of movement through full range. Check for
	proper travel, security of attachment, and for evidence of wear.
	Check friction locks for proper operation.
19.	Ignition Switch and Electrical Harness - Inspect for damage,
	condition and security.
20.	Cowl Flap Controls - Check freedom of movement
	through full travel.
21.	Instrument Panel and Control Pedestal - Inspect wiring,
	mounting, and terminals for condition and security. Check
	resistance between stationary panel and instrument panel for
	proper ground.
22.	Instrument Panel Shock Mounts, Ground Straps, and Covers -
	Inspect for deterioration, cracks and security of attachment.
23.	Instrument Lines, Fittings, Ducting, and Instrument Panel
	Wiring - Check for proper routing, support, and security
	of attachment.
24.	Switches - Check operation, terminals, wiring, and mounting
	for condition, security, and interference.
25.	Circuit Breakers and Fuses - Check operation and condition.
	Check for require number of spare fuses.
26.	Switch and Circuit Breaker Panel, Terminal Blocks and Junction
	Boxes - inspect wiring and terminals for condition & security.

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27.	Instrument - Check general condition and markings	
20	for legibility	
28.	Instrument, Cabin, Navigation, Beacon, Strobe, and	
	Landing Lights - Check operation, condition of lens and security of attachment.	
29.	Navigation Indicators, Controls, and Components - Inspect	
	for condition and security.	
30.	Instrument Panel Mounted Avionics Units (Including Audio	
	Panel, VHF Nav/Coms, ADF, Transponder, DME, and	
	Compass System - Inspect for deterioration, cracks, and	
	security of instrument panel mounts.	
	Inspect for security of electrical connections, condition,	
	and security of wire routing.	
31.	Avionics Operating Controls - Inspect for security and proper	
011	operation of control switches and ensure that all digital	
	segments will illuminate properly.	
32.	Microphone, Headsets and Jacks - Inspect for cleanliness,	
02.	security, and evidence of damage.	
33.	Vacuum System - Inspect for condition and security.	
34.	Vacuum System Hoses - Inspect for condition & security.	
35.	Vacuum System Relief Valve - Inspect condition/security.	
36.	Vacuum System Air Filter - Inspect for damage, deterioration,	
	and contamination. Clean or replace, if required.	
37.	Oxygen System - Inspect masks, hoses, lines, and fittings for	
	condition, routing, and support. Test operation and check	
	for leaks.	
38.	General Airplane and System Wiring - Inspect for proper	
	routing, chafing, broken or inadequate clamps, and sharp	
	bends in wiring.	
ENG	INE	
1.	Cowling and Cowl Flaps - Inspect for cracks, dents, & other	
1.	damage, security of cowl fasteners, and cowl mounted landing	
	lights for attachment. Check cowl flaps for condition,	,
	security, and operation.	
2.	Engine - Inspect for evidence of oil and fuel leaks. Wash	_
۷.	engine and check for security of accessories.	
3.	Induction System - Check security of clamps, tubes, and	
٥.	ducting.	

4.	Induction Airbox, Valves, Doors and Controls - Remove	
	air filter and inspect hinges, doors, seals & attaching parts	
	for wear and security. Check operation. Clean and inspect	
	air filter.	
5.	Induction Air Filter - Remove and clean. Inspect for damage	
	and replace paper filters each 500 hours.	
6.	Alternate Induction Air System - Check for obstructions,	
	operation, and security.	
7.	Oil Cooler - Check for obstructions, leaks, and security	
	of attachment.	
8.	Magnets - Check external condition, security and electrical	
	leads for condition. Check timing and adjust if necessary.	
9.	Engine Baffles and Seals - Check condition and security	
	of attachment.	
10.	Alternator and Electrical Connections - Check condition and	
	security. Check alternator belts for condition and proper	
	adjustment.	
11.	Alternator Control Unit - Inspect wiring, mounting, condition	1,
	and wire routing.	
12.	Firewall Structure - Inspect for wrinkles, damage, cracks,	
	sheared rivets, etc. Check cowl shock mounts for condition	
	and security.	
13.	Engine Shock Mounts, Engine Mount Structure, and Ground	
	Straps - Check condition, security, and alignment.	
14.	Exhaust System - Inspect for cracks and security.	
	Air leak check exhaust system.	
15.	Heater Components - Inspect all components for condition	
	and security.	
16.	Vacuum Pump - Check for condition and security.	
	Check vacuum system breather line for obstructions,	
	condition, and security.	
17.	Fuel Strainer, Drain Valve, and Controls - Check freedom of	
	movement, security, and proper operation.	
18.	Auxiliary (Electric) Fuel Pump - Check pump and fittings	
	for condition, operation and security. Remove and clean filter	r
	(if applicable).	
19.	Engine-Driven Fuel pump - Check for evidence of leakage,	
	security of attachment, and general condition.	
20.	Ignition Harness and Insulators - Check for proper routing,	
	deterioration, and condition of terminals.	

		MECHANIC/INSPECTO
21.	Spark Plugs - Remove, clean, analyze, test, gap, and rotate	
	top to bottom - bottom to top.	
22.	Carburetor - Drain and flush bowl and clean inlet strainer.	
	Check condition and security.	
23.	Engine Oil Change - Drain oil sump, remove oil filter and	
	inspect for foreign materials, replace filter. Fill oil sump with	
	proper grade and quantity of oil.	
24.	Engine Primer - Check for leakage, operation, & security.	
25.	Crankcase, Oil Sump, and Accessory Section - Inspect for	
	cracks and evidence of oil leakage. Check bolts & nuts for	
	looseness & re-torque as necessary. Check crankcase breather	•
	lines for obstructions, security, gen. condition.	
26.	Hoses, Metal Lines & Fittings - Inspect for signs of oil &	
	fuel leaks. Check for abrasions, chafing, security, proper	
	routing, support & evidence of deterioration.	
27.	Cold and Hot Air Hoses - Check condition, routing,	
	and security.	
28.	Engine Cylinders, Rocker Box Cover, and Pushrod Housings	-
	Check for fin damage, cracks, oil leaks, security of attachmen	t,
	and general condition.	
29.	Cylinder Compression - Perform differential compression	
	test and record: 1. /80 2. /80 3. /80	
	4. /80 5. /80 6. /80	
PRO	PELLER	
1.	Spinner - Check general condition and attachment.	
2.	Spinner and Bulkhead - Remove spinner, wash, and	
	inspect for cracks and fractures.	
3.	Propeller Blades - Inspect for cracks, dents, nicks, scratches,	
	erosion, corrosion, and other damage.	
4.	Propeller Mounting - Check for security of installation.	
5.	Propeller Mounting Bolts/Nuts - Inspect for signs of	
	looseness. Retorque bolts/nuts as necessary.	
6.	Propeller Governor and Control - Inspect for oil and	
	grease leaks.	
7.	Propeller Governor and Control - Check for security and	
	operation of controls.	
8	Propeller Hub - Check general condition	

WINC	SS
1.	Wing Surfaces and Tips - Inspect for skin damage, loose
	rivets, and condition of paint.
2.	Placards and Decals - Inspect presence, legibility, and security.
	Consult Pilot's Operating Handbook and FAA-Approved
	Airplane Manual for required placards.
3.	Wing Access Plates - Check for damage and security
	of installation.
4.	Wing Struts and Strut Fairings - Check for dents, cracks,
	loose screws and rivets, and condition of paint.
5.	Wing Spar and Wing Strut Fittings - Check for evidence of
	wear. Check attach bolt for indications of looseness and
	re-torque as necessary.
6.	Fuel Tank or Bladder Drains - Drain water and sediment.
7.	Pitot Tube and Stall Warning Vane - Check for condition
	and obstructions.
8.	Pitot Tube and Stall Warning Heaters (if installed) -
	Perform operational check.
9.	Fuel Tank Vent Lines and Vent Valves - Check vents for
	obstruction & proper positioning. Check valves for operation.
10.	Aileron Structure, Control Rods, Hinges, Balance, Weights,
	Bellcranks, Linkage, Bolts, Pulleys, and Pulley Brackets - Check
	condition, operation, and security of attachment.
11.	Ailerons and Hinges - Check condition, security, operation.
12.	Ailerons and Cables - Check operation and security of stops. Check
	cables for tension, routing, fraying, corrosion, and turnbuckle
	safety. Check travel if cable tension requires adjustment or if stops
	are damaged. Check fairleads and rub strips for condition.
13.	Aileron Controls - Check freedom of movement and proper
	operation through full travel with & without flaps extended.
14.	Flap Structure, Linkage, Bellcranks, Pulleys, and Pulley
	Brackets - Check for condition, operation, and security.
15.	Flaps and Cables - Check cables for proper tension, routing,
	fraying, corrosion, and turnbuckle safety.
16.	Flap Motor, Actuator, and Limit Switches - Check wiring and
	terminals for condition and security.

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17.	Flaps - Check tracks, rollers, and control rods for security	
	of attachment. Check operation.	
18.	Flap Actuator Threads - Clean and lubricate.	
19.	Fuel System - Inspect plumbing and components for	
	mounting and security.	
20.	Fuel Bladders - Check for leaks and security, condition of	
	fuel caps, adaptors, and placards.	
21.	Integral Fuel Tanks - Check for evidence of leakage and	
	condition of fuel caps and placards.	
22.	Metal Lines, Hoses, Clamps, and Fittings - Check for leaks,	
	condition, and security. Check for proper routing and support	•
23.	Wing Structure - Inspect spars, ribs, skins, and stringers for	
	cracks, wrinkles, loose rivets, corrosion, or other damage.	
24.	General Airplane and System Wiring - Inspect for proper	
	routing, chafing, broken or inadequate clamps, and sharp	
	bends in wiring.	
LAN	DING GEAR	
1.	Nose Gear Attachment Structure - Inspect for cracks, corrosio	on,
	or other damage. Check for security of attachment.	
2.	Nose Gear - Inspect torque links, steering rods and boots for	
	condition and security of attachment. Check strut for evidence	e
	of leakage and proper extension. Check strut barrel for	
	corrosion, pitting and cleanliness. Check shimmy dampener	
	for operation, leakage, and attach points for wear and	
	security.	
3.	Nose Gear Fork - Inspect for cracks, general condition,	
	and security of attachment.	
4.	Nose Gear Steering Mechanism - Check for wear, security,	
	and proper rigging.	
5.	Tires - Check tread wear and general condition.	
	Check proper inflation.	
6.	Wheels, Brake Discs, and Linings - Inspect for wear, cracks,	
	warps, dents, or other damage. Check wheel through bolt and	
	nuts for evidence of looseness.	
7.	Brakes, Master Cylinders, and Parking Brake - Check master	
	cylinder and parking brake mechanism for condition and	
	security. Check fluid level and test operation.	
8.	Brakes - Test toe brakes & parking brake for proper operation	·

EMPI	ENNAGE
1.	Vertical and Horizontal Stabilizers, Tips, and Tailcone - Inspect
	externally for skin damage and condition of paint.
2.	Vertical and Horizontal Stabilizers and Tailcone Structure -
	Inspect bulkheads, spars, ribs, and skins for cracks, wrinkles,
	loose rivets, corrosion or other damage. Inspect vertical and
	horizontal stabilizer attach bolts for looseness. Re-torque as
	necessary. Check security of inspection covers, fairings,
	and tips.
3.	Elevator, Hinges, and Cable Attachment - Check condition,
	security, and operation.
4.	Elevator Trim Tab and Hinges - Check condition security
	and operation.
5.	Elevator Trim Tab Actuator - Check free play limits.
6.	Elevator/Rudder Downspring - Check structure, bolts,
	linkage, bellcranks, pulleys, turnbuckles, fairleads, rub
	strips, etc. for proper routing, condition, and security.
7.	Elevator/Rudder Downspring - Check structure, bolts,
	linkage, bellcrank, and push- pull tube for condition, operation,
	and security. Check cables for tension, routing, fraying,
	corrosion, and turnbuckle safety. Check travels if cables
	require tension adjustment or if stops are damaged.
8.	Rudder - Inspect the rudder skins for cracks and loose rivets,
	rudder hinges for condition, cracks and security; hinge bolts,
	hinge bearings, hinge attach fittings, and bonding jumper for
	evidence of damage and wear, failed fasteners, and security.
	Inspect the nudder hinge bolts for proper safetying of nuts
	with cotter pins. Inspect balance weight for looseness and
	supporting structure for damage.
9.	Rudder, Tips, Hinges and Cable Attachment - Check
	condition, security, and operation.
10.	Elevator Control System - Inspect pulleys, cables, sprockets,
	bearings, chains & turnbuckles for condition, security, &
	operation.
11.	Rudder - Check internal surfaces for corrosion, condition
	of fasteners, and balance weight attachment.
12.	General Airplane and System Wiring - Inspect for proper
	routing, chafing, broken or loose terminals, general condition,
	broken or in adequate clamps, and sharp bends in wiring.

		MECHANIC/INSPECTOR
SPE	CIAL INSPECTION ITEMS	_
1.	Check and accomplish all special inspection items due.	
2.	Vacuum airplane interior carpets and seats.	
3.	Wash airplane exterior and clean all windows.	
4.	Have invoice completed and itemized when airplane is ready for pickup.	
POS	ST INSPECTION	
1.	Replace all fairings, doors, floorboard, and wing access cov	ers. Ground
	check engine, alternator charging rate (28 volts min.), oil pr	essure/
	temp. fuel flow indicator, fuel quantity indicator, flight	
	instruments, and general operating components.	
SER	RVICE BULLETINS/AIRWORTHINESS DIRECTIVES	
1.	Check that all applicable Cessna Service Bulletins,	
1.	Service Newsletters, and Supplier Service Notes are	
	complied with.	
2.	Check that all applicable Airworthiness Directives and	
	Federal Aviation Regulations are complied with.	
3.	Ensure all Maintenance Record Entries required by Federal	
	Aviation Regulations are completed before returning the	
	airplane to Service.	
CIV	IL AIR PATROL MAINTENANCE PERSONNEL AT	
	PLANE PICK-UP	
1.	Check for completion of inspection check list, and proper	
	log book endorsement in each log book.	
2.	Check for headsets, fire extinguisher, first aid kit, tie down	
	ropes, and chocks.	
3.	Perform thorough preflight of entire airplane.	
4.	Perform operational and check flight of airplane prior to	
	return to service.	
5.	Inform required personnel as to the status of the airplane.	